ELEC 594: MECE Capstone Projects

Spring 2022 Syllabus

Instructor
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Overview
Capstone projects for professional master's students in electrical and computer engineering.

Credits
3 credit hours. Will be repeated for a total of 6 credit hours. Two semesters of ELEC 594 (3 credit hours each semester) fulfill the capstone experience requirement for the MECE degree.

Meeting Times
Weekly update meetings will be scheduled between the students, project mentors, and instructor. Work meetings will also be scheduled where students and the instructor are required to attend and will spend dedicated time working on the project.

Course Page
Everything will be posted to Canvas.

Workload
Approximately 9 hours of work per week during the semester.

Learning Objectives
MECE students will conduct a capstone project under the direction of Dr. Young generally along with a faculty collaborator. The collaborator is usually a member of the ECE faculty or one who holds a joint or courtesy appointment in ECE. Students learn to effectively identify and define relevant problems in Electrical and Computer Engineering and conduct a capstone project that typically results in a completed product.

Prerequisites
There are no formal prerequisites, however it is almost always expected that the appropriate capstone foundations course be taken before this course.

Grading

Final Presentation	**15%**
Final Report	**15%**
Documentation	**20%**
+ SW & HW Documentation	10%
+ Online Project Description	10%
Meetings	**20%**
+ Update Meetings	10%
+ Work Meetings	10%
Execution & Development	**30%**
+ Abstract	5%
+ Goals Outline	5%
+ Achievement of Goals	20%

Examples, details, and/or rubrics for these items will be provided during the semester.

Honor System

Unless stated otherwise, any assignments will be individually graded. Collaboration on assignments is encouraged, but the work you submit should be your own. Do not just copy others' homework, and don't submit any work you don't understand. For work involving groups, partners should contribute equally to the work. It's OK to divide the work among group members but each student should be able to answer any questions about the work including any writeups. Groups should not copy each other's work except in cases specifically allowed by the instructor. Using unauthorized aid or misrepresenting one's work is a Rice Honor Code violation.

Online Course Material

For course material that I generate, students may use the material for any course-related purpose. However, I ask students not to remove any copyright notices if they forward or otherwise re-use the material. (Any copyright notices are included to preserve my rights in the event that material is included in some future publication.)

Special Requirements

If you have a documented disability that may affect academic performance, you should: 1) make sure this documentation is on file with Disability Resource Center (Allen Center, Room 111 / adarice@rice.edu / x5841) to determine the accommodations you need; and 2) meet with the instructor(s) to discuss your accommodation needs.

Syllabus Modifications

Information contained in this syllabus may be subject to change with reasonable advance notice as deemed appropriate by the instructor.